QC ABSTRACT

Nameof Work: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes	Actual No's of testes	Testes	Frequency
1	1:3:6	42.86 Cum	1	1	Cement Sand, Aggregates	One Test Per Lot
2	Steel	9.64 Tonne	1	1	-	-
3	M20	163.80 Cum	7	7	Concrete Cube Compressive Strength	-
4	Slab - 100mm	63.34 Sqm	1	1	Concrete Core Compressive Strength	-
5	CC Blocks (400x150x200)	33.20 Sqm	1	1	Compressive Strength& Bulk density	-
6	CC Blocks (400x100x200)	17.19 Sqm	1	1	Compressive Strength& Bulk density	-

Cubes	0-5 Cum	1Set
	6-15 Cum	2Set
	16-30 Cum	3Set
	31-50 Cum	4Set
	Add 1set for extra 50Cum	

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ಬಾಗಲಗುಂಟೆ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 07.07.2021

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Smt. Jayamma ,** Contractor, Bangalore.
NAME OF THE WORK	:	Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
SAMPLE ID	:	Cement (Zuari OPC 53 Grade)
DATE OF MANUFACTURE		June-2021
DATE OF TESTING		05.07.2021 to 07.07.2021
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	325 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	2 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.50 %	-

Note:

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date : 07.07.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency : **Smt. Jayamma , Contractor, Bangalore.**

Name of Work : Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.

Date of Testing : 07.07.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	84	8.40	8.40	91.6	90-100
2.36	129	12.90	21.30	78.7	75-100
1.18	195	19.50	40.80	59.2	55-90
600 Micron	169	16.90	57.70	42.3	35-59
300 Micron	252	25.20	82.90	17.1	8-30
150 Micron	125	12.50	95.40	4.6	0-10

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date 07.07.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Smt. Jayamma , Contractor, Bangalore.** **0**

Name of Work : Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.

Date of Testing 07.07.2021

Material : Plastering Sand Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	29	2.90	2.90	97.1	95-100
2.36	38	3.80	6.70	93.3	95-100
1.18	62	6.20	12.90	87.1	90-100
600 Micron	78	7.80	20.70	79.3	80-100
300 Micron	255	25.50	46.20	53.8	20-65
150 Micron	495	49.50	95.70	4.3	0-15

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date : 07.07.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Smt. Jayamma , Contractor, Bangalore.**

Name of Work : Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.

Date of Testing : 07.07.2021

Material : Sand - Masonry Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	22	2.20	2.20	97.8	90-100
1.18	48	4.80	7.00	93.0	70-100
600 Micron	92	9.20	16.20	83.8	40-100
300 Micron	252	25.20	41.40	58.6	5-70
150 Micron	491	49.10	90.50	9.5	0-15

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date : 07.07.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency : **Smt. Jayamma , Contractor, Bangalore.**

Name of Work : Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.

Date of Testing : 07.07.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	180	3.6	3.6	96.4	95-100
10	2441	48.8	52.4	47.6	25-55
4.75	1939	38.8	91.2	8.8	0-10

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date : 07.07.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Smt. Jayamma , Contractor, Bangalore.**

Name of Work : Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.

Date of Testing : 07.07.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	187	1.25	1.25	98.75	95-100
20	8206	54.71	55.95	44.05	30-70
10	3214	21.43	77.38	22.62	10-35
4.75	2839	18.93	96.31	3.69	0-5

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date : 09.07.2021

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client	: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Agency	: Smt. Jayamma , Contractor, Bangalore.
Name of Work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Steel Dia/Length	: 8mm,10mm,12mm " Fe500 TMT Bars"
Reference to BIS codes	: IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification : IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature
Date of test	: 09.07.2021

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.398	545	624	1.14	14
2	TMT	10	0.62	553	639	1.16	14.5
3	TMT	12	0.889	561	658	1.17	15

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date : 15.07.2021

TEST REPORT ON SOLID CONCRETE BLOCKS

Client	**: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**: Smt. Jayamma , Contractor, Bangalore.**
Name of the Work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Date of Testing	:15.07.2021
Size of Blocks	: 400mm x 100mm x 200mm
Cross Sectional Area	: 40000 mm^2
Technical Reference	: IS: 2185 (Part 1) - 2005
No. of Blocks Tested	: 01

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	21.5	166.2	4.16	268.75	Minimum required Compressive Strength of Individual Units 4.00N/mm^2
2	Block 2	21.7	168.7	4.22	271.25	
3	Block 3	21.3	165.9	4.15	266.25	
4	Block 4	21.8	169.6	4.24	272.50	

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date : 15.07.2021

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Smt. Jayamma , Contractor, Bangalore.**

Name of the Work : Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.

Date of Testing : 15.07.2021

Size of Blocks : 400mm x 150mm x 200mm

Cross Sectional Area : 60000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	23.6	243.9	4.07	1966.67	Minimum required Compressive Strength of Individual Units 4 N/mm^2
2	Block 2	23.5	242.2	4.04	1958.33	
3	Block 3	23.8	244.8	4.08	1983.33	
4	Block 4	23.7	244.1	4.07	1975.00	

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date: 19.07.2021

PRECAST SLAB 100 mm Thick(CORE) TEST REPORT

Client : **: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Contractor : **: Smt. Jayamma , Contractor, Bangalore.**

Name of Work : : Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.

No.of Sample Tested : 03

Date of Testing : 19.07.2021

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	81.00	0.381	2395.58	1.62	0.959	32.50	16.55	17.88	17.14	21.43
2	50.00	82.00	0.394	2447.10	1.64	0.961	33.40	17.01	18.37	17.66	22.07
3	50.00	83.00	0.402	2466.71	1.66	0.963	33.80	17.21	18.59	17.91	22.39

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An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 02.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	: **Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.08.2021	02.09.2021	8.154	340.8	15.15
2	05.08.2021	02.09.2021	8.171	342.4	15.22
3	05.08.2021	02.09.2021	8.149	346.2	15.39

Note:

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ಉಪ ವಿಭಾಗ
ಬಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS
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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date: 12.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	: **Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.08.2021	12.08.2021	8.185	502.7	22.34
2	05.08.2021	12.08.2021	8.191	504.9	22.44
3	05.08.2021	12.08.2021	8.195	507.2	22.54

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 02.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**: Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.08.2021	02.09.2021	8.095	340.8	15.15
2	05.08.2021	02.09.2021	8.125	342.4	15.22
3	05.08.2021	02.09.2021	8.141	348.2	15.48

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date: 12.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	: **Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.08.2021	12.08.2021	8.175	504.8	22.44
2	05.08.2021	12.08.2021	8.179	508.7	22.61
3	05.08.2021	12.08.2021	8.192	511.2	22.72

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 23.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**: Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.08.2021	23.08.2021	8.159	335.7	14.92
2	16.08.2021	23.08.2021	8.134	341.5	15.18
3	16.08.2021	23.08.2021	8.142	348.9	15.51

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date: 13.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**: Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.08.2021	13.09.2021	8.180	495.2	22.01
2	16.08.2021	13.09.2021	8.175	482.9	21.46
3	16.08.2021	13.09.2021	8.191	486.3	21.61

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 23.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**: Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.08.2021	23.08.2021	8.131	349.2	15.52
2	16.08.2021	23.08.2021	8.144	345.7	15.36
3	16.08.2021	23.08.2021	8.157	335.8	14.92

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 13.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	: **Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.08.2021	13.09.2021	8.145	500.1	22.23
2	16.08.2021	13.09.2021	8.152	504.9	22.44
3	16.08.2021	13.09.2021	8.159	495.8	22.04

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 06.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**: Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.08.2021	06.09.2021	8.140	340.5	15.13
2	30.08.2021	06.09.2021	8.147	347.2	15.43
3	30.08.2021	06.09.2021	8.153	353.9	15.73

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Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 27.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	: **Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.08.2021	27.09.2021	8.175	500.7	22.25
2	30.08.2021	27.09.2021	8.202	503.6	22.38
3	30.08.2021	27.09.2021	8.192	508.4	22.60

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date: 06.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	: **Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.08.2021	06.09.2021	8.199	326.3	14.50
2	30.08.2021	06.09.2021	8.184	335.2	14.90
3	30.08.2021	06.09.2021	8.165	345.2	15.34

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

BRUHATH BANGALORE MAHANAGARA...

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Job No.: CACE/BBMP/JA/W.No.14/2021-22

Date: 27.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	: **Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.08.2021	27.09.2021	8.168	502.2	22.32
2	30.08.2021	27.09.2021	8.188	516.3	22.95
3	30.08.2021	27.09.2021	8.150	484.6	21.54

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 21.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Smt. Jayamma , Contractor, Bangalore.**

Name of the work : Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.09.2021	21.09.2021	8.115	331.5	14.73
2	14.09.2021	21.09.2021	8.125	342.2	15.21
3	14.09.2021	21.09.2021	8.133	336.9	14.97

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Srikanth

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CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/JA/W.No.14/2021-22 Date: 12.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	: **Smt. Jayamma , Contractor, Bangalore.**
Name of the work	: Construction of Public Sitting flatform of Karekallu, Sidedahalli, ManjunathaNagara , BTS Extn.Aralikatty & Mutturaya Katty 12th Cross in Bagalagunte Ward No.14,BBMP,Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.09.2021	12.10.2021	8.164	504.7	22.43
2	14.09.2021	12.10.2021	8.159	506.3	22.50
3	14.09.2021	12.10.2021	8.148	496.8	22.08

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